

**IHE-RO Technical Committee  
Conference call  
April 1, 2010 at 12:00-2:00 PM ET  
Minutes**

**Technical Committee Chairs:  
Bruce Curran, MS, ME  
Stuart Swerdloff, PhD**

**IHERO Task Force Co-Chairs  
Jatinder Palta, Ph.D.  
Prabhakar Tripuraneni, M.D., F.A.C.R., F.A.S.T.R.O.**

**Mission Statement:** *The American Society for Radiology Oncology (ASTRO) has formed a multi-society Task Force to undertake an initiative to promote the Integration of the Healthcare Enterprise (IHE) – Radiation Oncology (RO), fostering seamless connectivity and integration of radiotherapy equipment and the patient health information systems. The Task Force will include members from ASTRO, RSNA, American Association of Physicists in Medicine (AAPM), the American College of Radiology (ACR) and the Medical Imaging and Technology Alliance (MITA). In addition, members of the International community have also been invited to participate in IHE-RO. The IHE-RO Task Force, in close collaboration with radiotherapy product manufacturers, will develop appropriate integration profiles for radiation therapy and setup a demonstration of seamless communication among the full array of radiotherapy products.*

**In Attendance**

Bruce Curran, RI Hosp.  
Stuart Swerdloff, Elekta  
Walter Bosch, ATC  
Sunita Ranjitkar, ASTRO  
Chris Pauer, Tomotherapy  
Ulrich Busch, Varian  
Rishabh Kapoor, TSG Integrations  
Nghia Ho, MGH  
Sue Reilly, Elekta (CMS)  
Koua Yang, Philips  
Jatinder Palta, IHE-RO PC  
Norman Trapp, Siemens  
Summer Mark, Third Way Software  
David Wikler  
Sam Brain, Stanford  
Annie Ju, Accuray  
David Murray, DICOM  
Martin Pellinat, Vision Tree  
Harold Beunk, Nucletron  
Sanjay Bari, Elekta

- I. Call to Order @ 12:05pm ET
  - a. Approval of Agenda - added
  - b. Approval of minutes from February 25, 2010 – approved without objection, Bruce Curran will update Dose Compositing and TDW Profiles on the IHE-RO wiki as soon as possible
- II. Agenda Items
  - a. Report from IHE-RO Planning Committee –
    - Jatinder Palta reported that Rishabh Kapoor will join IHE-RO to provide Computer Science support for IHE-RO TC;
    - IHE-RO members, especially clinical members, are encouraged to volunteer to serve on CCHIT Oncology Work Group
    - Use case: Vendor Agnostic Radiation Oncology Patient Portal (ROPP) presented by Martin Pellinat. See link on IHE-RO wiki for details.
    - IHE ITI domain – currently no RO liaisons, Martin Pellinat (Vision Tree) is considering this role
  - b. Review of Public Comments
    - Dose Compositing Profile – received comments from Sue Reilly and IHE-RO TC – moved to Trial Implementation status
    - Treatment Delivery Workflow Profile – (requires “tweak” to DICOM workflow instruction to define Tags) – need to update Profile document - Bruce will put out profile document for electronic vote to Trial Implementation within the next week, with vote at the next TC T-con at the latest.
  - c. EHR – IHE is monitoring, but has not yet committed to involvement as *Testing Agency* (requires NVLAP certification via NIST). This would involve substantial effort. Involvement as a *Certifying Body* (setting standards) might not require as much effort.
  - d. IPDW and DPDW Profiles
  - e. Structure Template Creation, Import, and Export
    - Discussion at WG-7 meeting – proposal to encode Structure names and codes in (existing) RT Structure Set and (2<sup>nd</sup> Gen) RT Segmentation Properties IODs – Walter Bosch to post documents to BBS; work in progress on defining XML, etc. templates for communicating codes to TPSs
- III. New Business
  - a. Test tool RFP – bidder has requested extension of 2 weeks
    - Source of test data for test tools? – Walter and Stuart to investigate availability of test data from 2009 Connectathon testing and archive.
    - Test data for Dose Compositing and TDW Profiles
    - Need volunteers from IHE-RO TC for each of the Profiles to *evaluate Test Tools* as they are developed – response requested by April 9 – expected effort is 1-2 weeks FTE
    - Question regarding supported platforms for test tools (Windows-7 64-bit support?) – Bruce will ask bidder(s) to respond.
  - b. Due date for submitting the profiles that will be testing during Connectathon
    - Preliminary list requested by May 15
    - Formal commitment/invoice by June 15 for new and existing profiles.
    - Availability of 2010 test tools expected around July 1.
  - c. Brief report on Working Group 7

- Supplement 74 – David Murray to complete edits for WG-6 T-con (April 22) – accessible in DICOM WG-6 inbox.
- Supplement 147 – substantial progress in WG-7, WG-6 meetings in March. Uli Busch and Christof Schadt to present at WG-6 meeting in Munich, June 2010.
- Structure Set templates

#### IV. Future Meetings

##### a. Face-to-face Meetings:

1. Domain Pre-Testing (Granada, Spain, June 2-11, 2010). – June 2-7 for testing, June 8-11 for TC meeting – Profiles expected to be tested. – Participants are asked to send email to Bruce or Walter indicating which profiles they *expect* to test, and email to Sunita and/or Sidrah to confirm plan to participate:
  - 2010 TDW
  - 2010 Dose Compositing
  - 2007 Basic RT (Contouring)
  - 2009 ARTI
2. 2010 Connectathon – Sept 20-26, 2010
  - Mon 9/20 judge, setup day
  - Sat 9/25 TC meeting (all day)
  - Sun 9/26 (9am–12pm) TC meeting at Residence Inn  
(Profiles to be tested depend on results of Domain Pre-Testing)
3. ASTRO 2010 Oct 31 – Nov 4, 2010 in San Diego, CA
  - Thus 11/4 – Sat 11/6 at or near ASTRO meeting
  - Hotel arrangements? Scripps?

##### b. IHE-RO Future Teleconferences:

1. Thursday, April 29, 12:00 – 2:00pm ET
2. Thursday, May 20, 12:00 – 2:00pm ET
3. Thursday, July 29, 12:00 – 2:00pm ET
4. Thursday, August 26, 12:00 – 2:00pm ET
5. Thursday, October 21, 12:00 – 2:00pm ET
6. Thursday, December 16, 12:00 – 2:00pm ET

##### c. Related meetings

1. ESTRO Sept 12-15, 2010, Barcelona, SP
2. AAPM Annual Meeting July 18-22, Philadelphia, PA
3. WG-7
  - March 16-19, 2010, at MITA. Starting 9:00 a.m. Tuesday, finishing 12:00 Friday. The positioning group may possibly meet just prior to that meeting.
  - Tentative scheduling for 22-24 July, Philadelphia PA (after AAPM, finish noon on 24<sup>th</sup>).

#### V. Adjourn @ 1:15pm ET